

## **California Weather-Hydro Conditions during November 2013**

As of November 30, statewide hydrologic conditions were as follows: precipitation, 35 percent of average to date; runoff, 55 percent of average to date; and reservoir storage, 75 percent of average for the date. Sacramento River Region unimpaired runoff, for Water Year 2014, observed through November 30, 2013 was about 0.7 million acre-feet (MAF), which is about 49 percent of average. In comparison to Water Year 2013, the observed Sacramento River Region unimpaired runoff through November 30, 2012 was about 1.5 MAF, or about 108 percent of average.

On November 30, the Northern Sierra 8-Station Precipitation Index Water Year total was 2.4 inches, which is about 26 percent of the seasonal average to date and 5 percent of an average water year (50.0 inches). During November, the total precipitation for the 8-Stations was 1.6 inches, or about 25 percent of average for the month. Last year on November 30, the Water Year 2013 seasonal total for the 8-Stations was 15.4 inches, or about 166 percent of average.

On November 30, the San Joaquin 5-Station Precipitation Index Water Year total was 1.9 inches, which is about 28 percent of the seasonal average to date and 5 percent of an average water year (40.8 inches). During November, the total precipitation for the 5-Stations was 1.0 inches, or about 21 percent of average for the month. Last year on November 30, the Water Year 2013 seasonal total for the 5-Stations was 7.6 inches, or about 112 percent of average.

Selected Cities Precipitation Accumulation as of 11/30/2013 (National Weather Service Water Year: July through June)					
City	Jul 1 to Date 2013 – 2013 (in inches)	% Avg	Jul 1 to Date 2012 – 2012 (in inches)	% Avg	% Avg “Water Year” Jul 1 to Jun 30 2013- 2014
Eureka	4.56	52	9.74	112	11
Redding	3.12	43	8.82	121	9
Sacramento	1.47	45	3.46	105	8
San Francisco	1.69	38	4.60	104	7
Fresno	0.58	31	0.74	40	5
Bakersfield	0.97	93	0.12	12	15
Los Angeles	0.74	39	0.79	41	6
San Diego	1.78	102	0.88	51	17

Key Reservoir Storage (1,000 AF) as of 11/30/2013								
Reservoir	River	Storage	Avg Storage	% Average	Capacity	% Capacity	Flood Control Encroachment	Total Space Available
Trinity Lake	Trinity	1,213	1,614	75	2,448	50	---	1,235
Shasta Lake	Sacramento	1,696	2,777	61	4,552	37	-1,556	2,856
Lake Oroville	Feather	1,392	2,192	63	3,538	39	-1,771	2,146
New Bullards Bar Res	Yuba	462	523	88	966	48	-334	504
Folsom Lake	American	236	467	50	977	24	-341	741
New Melones Res	Stanislaus	1,037	1,318	79	2,420	43	-933	1,383
Don Pedro Res	Tuolumne	1,027	1,311	78	2,030	51	-663	1,003
Lake McClure	Merced	245	449	55	1,025	24	-430	780
Millerton Lake	San Joaquin	248	218	114	520	48	-188	272
Pine Flat Res	Kings	169	376	45	1,000	17	-501	831
Isabella	Kern	54	150	36	568	10	-116	514
San Luis Res	(Offstream)	514	1,247	41	2,039	25	---	1,525

The latest National Weather Service Climate Prediction Center (CPC) long-range, 1-month precipitation outlook for December 2013, issued November 30, 2013, suggests no tendency for above or below average rainfall for California.